ACTA MATHEMATICA SINICA — CHINESE MATHEMATICS

数 学 学 报

CUMULATIVE TABLE OF CONTENTS

Volume {8 (1958), Numbers 3–4 / 9 (1959), Numbers 1–4} of the original Volume 9 (1967), Numbers 1–6 of the translation

Number 1

	Chinese page	Translation page
Li Sen-lin * (Li Sen-lin) 李森林 *Vertices of generalized regular plane curves*	(305)	1
Zhang Xue-ming (Chang Hsüeh-ming) 張學銘 *On the upward stability of the maximal characteristic exponent and the downward stability of the minimal characteristic exponent*	(324)	23
Cheng Ping (Ch'eng P'ing) 成 平 *Non-negative jump points of an empirical distribution function relative to a theoretical distribution function* **	(333)	31
Qin Yuan-xun (Ch'in Yüan-hsün) 秦元勳 *On differential equations defined on the torus* ***	(348)	51
Yue Jing-zhong (Yüeh Ching-chung) 岳景中 *Explicit definition of the Steenrod powers*	(369)	80
Li Pei-xin (Li P'ei-hsin) 李培信 *Characteristic classes on local coefficients*	(384)	94
Zou Xin-ti (Tsou Hsin-t'i) 鄒新堤 *Concerning the properties of bounded regular functions near the boundary*	(396)	106
Xia Dao-xing (Hsia Tao-hsing) and Zhang Kai-ming (Chang K'ai-ming) 夏道行 張開明 *Some inequalities in the theory of subordination*	(408)	116
Wang Yuan (Wang Yüan) 王 元 *On sieve methods and some of their applications* ****	(413)	121
Xiong Qing-lai (Hsiung Ch'ing-lai) 熊慶來 *A fundamental inequality in the theory of meromorphic functions and its applications*. I	(430)	146
Xiong Qing-lai (Hsiung Ch'ing-lai) 熊慶來 *A fundamental inequality in the theory of meromorphic functions and its applications*. II	(444)	158

* The names of Chinese authors are given in the Pinyin (New Latin) form, as of 1960, followed in parentheses by the Wade-Giles.

** A facsimile of the translation in Amer. Math. Soc. Selected Transl. Math. Stat. and Prob. 3 (1963), 205–224.

*** A facsimile of the translation in Scientia Sinica 8 (1959), 661–698, published in Peking.

**** A facsimile of the translation in Scientia Sinica 8 (1959), 357–381, published in Peking.

	Chinese page	Translation page
Number 2		
Qin Yuan-xun (Ch'in Yüan-hsün), Liu Yong-qing (Liu Yung-ch'ing) and Wang Lian (Wang Lien) 秦元勳 刘永清 王 联 *Effects of time-lags on stability of dynamical systems**	(457)	169
Li Ke-qun (Li K'o-ch'ün) 李克羣 *Combinatorial invariants of a finite complex*	(473)	199
Chen Qing-yi (Ch'en Ch'ing-yi) 陳慶益 *Uniqueness of solutions of a mixed problem for a system of linear partial differential equations*	(483)	209
Huang Cheng-chao (Huang Ch'eng-ch'ao) 黃城超 *On spaces of constant curvature and the totally umbilical hypersurfaces*	(490)	215
Yue Min-yi (Yüeh Min-i) 越民義 *A divisor problem*	(496)	222
Hu Shi-hua (Hu Shih-hua) and Lu Zhong-wan (Lu Chung-wan) 胡世華 陸鍾萬 *Normal forms of general recursive functions*	(507)	232
Chi Min-you (Ch'ih Min-yu) 齊民友 *On the Cauchy problem for a class of hyperbolic equations with data given on the degenerate parabolic line*	(521)	246
Hua Luo-geng (Hua Lo-keng) and Lu Qi-keng (Lu Ch'i-k'eng) 華羅庚 陸啓鏗 *Theory of harmonic functions in the classical domains***	(531)	255
Number 3		
Institute of Mathematics, Academia Sinica *The shape and height of the pile in dam construction by directional explosion*	(1)	319
A. Pełczyński *On the Mikusiński theorem of bounded moments*	(10)	329
Institute of Mathematics, Academia Sinica *Mechanical vibrations and the eigenvalue problem*	(17)	333
Li Jing-xi (Li Ching-hsi) 李經熙 *On the Gibbs phenomenon for Riemann summation (R, k) of generalized Fourier series*	(28)	345
Zhang Kai-ming (Chang K'ai-ming) 张开明 *Functions typically real and meromorphic in a circular ring*	(37)	353

* A facsimile of the translation in Scientia Sinica 9 (1960), 719–747, of two articles with the title *On the equivalence problem of differential equations and difference-differential equations in the theory of stability*, the first by Qin Yuan-xun, Acta Math. Sinica 8 (1958), 457–472, and the second by Qin Yuan-xun, Liu Yong-qing and Wang Lian, Acta Math. Sinica 9 (1959), 333–363.

** A facsimile of the translation in Scientia Sinica 8 (1959), 1031–1094, published in Peking.

	Chinese page	Translation page
Zhang Su-cheng (Chang Su-ch'eng) 张素誠 *On inequalities associated with certain types of continuous mappings and their application to fiber spaces*	(51)	364
Liang You-dong (Liang Yu-tung) 梁友栋 *Characterizations of certain K^*-spaces*	(69)	383
Xiong Qing-lai (Hsiung Ch'ing-lai) 熊庆来 *On the Montel-Miranda cycle in the theory of normal families*	(76)	390

Number 4

Wang Yuan (Wang Yüan) 王 元 *On sieve methods and some of their applications* *	(87)	401
Zhao Fang-xiong (Chao Fang-hsiung) 赵訪熊 *Routh's method for finding complex roots*	(101)	420
Zou Xin-ti (Tsou Hsin-t'i) 邹新堤 *On the uniqueness theorem for analytic functions and its applications*	(114)	433
Mo Shao-kui (Mo Shao-k'uei) 莫紹揆 *Modal and implication systems*	(121)	439
W. Orlicz *Saks space and its applications in the theory of linear operators*	(143)	463
W. Orlicz *On the generalization of l^a-space and L^a-space*	(150)	470
Dong Jin-zhu (Tung Chin-chu) 董金柱 *Positions of limit cycles of the system* $\frac{dx}{dt} = \sum_{0\le i+k\le 2} a_{ik}x^iy^k$, $\frac{dy}{dt} = \sum_{0\le i+k\le 2} b_{ik}x^iy^k$ †	(156)	476
Geng Ji (Keng chi) [G. Gun] 耿 济 *The argument of the characteristic root with maximum absolute value of a matrix*	(170)	477
Geng Ji (Keng Chi) [G. Gun] 耿 济 Limits for the characteristic roots of a matrix. II	(174)	481
Li Wen-yong (Li Wen-yung) 李文鏞 *The topological structure of the distribution of the integral curves with one singular point on the torus*	(181)	487
Xin Ding-jia (Hsin Ting-chia) 忻鼎稼 *Symmetric properties of some Finsler spaces*	(191)	498

* A facsimile of the translation in Scientia Sinica 11 (1962), 1607–1624, published in Peking.

† The translation of this article was published in Chinese Mathematics – Acta 8 (1966), No. 6, 854–874.

	Chinese page	Translation page
Xie Ting-fan (Hsieh T'ing-fan) 謝庭藩 *Absolute convergence of Fourier series*	(199)	507
Qin Yuan-xun (Ch'in Yüan-hsün) et al. 秦元勳等 *Concrete examples for the existence of three limit cycles for the system* $dx/dt = P$, $dy/dt = Q$ *around equilibrium points*	(213)	521

Number 5

Zhou Xue-guang (Chou Hsüeh-kuang) = S. K. Chow 周学光 *Steenrod operations and homotopy groups.* I*	(227)	535
Zhou Xue-guang (Chou Hsüeh-kuang) = S. K. Chow 周学光 *Steenrod operations and homotopy groups.* II**	(243)	552
Chen Jing-run (Ch'en Ching-jün) 陈景润 *On the representation of a natural number as a sum of terms of the form* $x(x+1)\cdots(x+k-1)/k!$	(264)	577
Guo Zhu-rui (Kuo Chu-jui) 郭竹瑞 *Improvement of theorems of Mergeljan*	(271)	583
Xie Hui-chun (Hsieh Hui-ch'un) 谢惠椿 *On fundamental inequalities, not involving poles, in the theory of meromorphic functions*	(281)	593
Lai Wan-cai (Lai Wan-ts'ai) 赖万才 *On Goodman's conjecture for almost bounded functions*	(292)	603
Hua Luo-geng (Hua Lo-keng and Lu Qi-keng (Lu Ch'i-k'eng) 华罗庚 陆启鏗 *Theory of harmonic functions in the classical domains.* II, *Harmonic functions in the hyperbolic space of symmetric matrices*†	(295)	605
Hua Luo-geng (Hua Lo-keng) and Lu Qi-keng (Lu Ch'i-k'eng) 华罗庚 陆启鏗 *Theory of harmonic functions in the classical domains.* III, *Harmonic functions in the hyperbolic space of skew symmetric matrices*†	(306)	606
Pan Cheng-dong (P'an Ch'eng-tung) 潘承洞 *Some new results in the additive theory of prime numbers*	(315)	607
Yang Zong-pan (Yang Tsung-p'an) 楊宗磐 *A remark on conditional expectation.* II	(330)	622
Qin Yuan-xun (Ch'in Yüan-hsün), Liu Yong-qing (Liu Yung-ch'ing) and Wang Lian (Wang Lien) 秦元勳 刘永清 王 联 *On the equivalence problem of differential equations and difference-differential equations in the theory of stability*††	(333)	626

* A facsimile of the translation in Scientia Sinica 9 (1960), 155–171, published in Peking.

** A facsimile of the translation in Scientia Sinica 9 (1960), 172–196, published in Peking.

† This article was incorporated in an earlier article, translated in Chinese Mathematics – Acta 9 (1967), No. 2, 255–318.

†† This article was incorporated in an earlier article, translated in Chinese Mathematics – Acta 9 (1967), No. 2, 169–198.

	Chinese page	Translation page
Number 6		
Dong Guang-chang (Tung Kuang-ch'ang) 董光昌		
Uniqueness theorem for the Čaplygin problem. III	(365)	627
Qiu Hua-ji (Ch'iu Hua-chi) 邱华吉		
Some properties of functions analytic in a disk	(382)	643
Mo Shao-kui (Mo Shao-k'uei) 莫紹揆		
*N-generalizable, intuitionistic, co-denial, pseudo-modal and co-Δ systems**	(389)	648
Lin Qun (Lin Ch'ün) 林 羣		
On the general scheme of approximation methods in analysis	(413)	683
Wang Yuan (Wang Yüan) 王 元		
On the least primitive root of a prime **	(432)	704
Zhang Bing-gen (Chang Ping-ken) 张炳根		
On stability under arbitrary initial perturbations of solutions of two differential equations	(442)	718
Su Bu-qing (Su Pu-ch'ing) 苏步青		
Contributions to the theory of conjugate nets in projective hyperspace. I***	(446)	721
Cai Sui-lin (Ts'ai Sui-lin) 蔡燧林		
A formula for the Ljapunov function of a system of linear differential equations with constant coefficients	(455)	732
Zhang Su-cheng (Chang Su-ch'eng) 张素誠		
On invariants associated with homotopy groups of spheres	(468)	743
Wu Wen-jun (Wu Wen-chün) 吳文俊		
On the isotopy of complexes in a Euclidean space. I ****	(475)	751
Yue Min-yi (Yüeh Min-i) 越民义		
M/M/n—a problem in queuing theory	(494)	777
Cumulative table of contents for Volume 9		I–V
Nine volume Index of Authors		I-1–21

* A facsimile of the translation in Scientia Sinica 10 (1961), 755–789, published in Peking.

** A facsimile of the translation in Scientia Sinica 10 (1961), 1–14, published in Peking.

*** A facsimile of the translation in Scientia Sinica 10 (1961), 15–25, published in Peking.

**** A facsimile of the translation in Scientia Sinica 9 (1960), 21–46, published in Peking.